

AMENDMENTS TO THE CLAIMS

Listing of claims:

1. (Currently Amended) A navy vessel type equipment system for electrically propelled navy vessels of various sizes and propulsion power, in which the navy vessels include standard equipment segments for propulsion and vessel operation and wherein the individual navy vessel types have vessel hulls which are designed on a type-dependent basis, the system comprising:
equipment segments for propulsion and vessel operation, designed independently of type and combinable depending on the propulsion power and object of the individual navy vessels, wherein the equipment segments are designed to be installable in a prefabricated manner at different locations in the vessel ~~hull~~hull, and the equipment system vessels have AC and DC network elements for connection of individual power generation and load units.
2. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein, in comparison to their power, the equipment segments include small and light propulsion equipment segments which have electric motors using high-temperature superconducting (HTS) technology.
3. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein, in comparison to their power, the equipment segments have small and light power generation units which are designed as internal combustion engine generator sets on standard foundations.
4. (Previously Presented) The navy vessel type equipment system as claimed in claim 3, wherein the internal combustion engine generator sets are provided with generators using HTS technology, which, have windings which are cooled directly or indirectly with liquid neon or liquid nitrogen.
5. (Currently Amended) The navy vessel type equipment system as claimed in claim 2, wherein ~~the motors and generators~~ and the motors are designed to be shock-resistant with outer and inner shock damping.

6. (Currently Amended) The navy vessel type equipment system as claimed in claim 5, wherein the motors and the generators are installed elastically, on standard foundations and in addition have a stator/rotor system which is elastically connected to the machine housing and are movable independently of the housing.
7. (Currently Amended) The navy vessel type equipment system as claimed in claim 1, wherein generators and ~~the~~ stators of the motors ~~and generators~~ have air-gap windings.
8. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein the vessel hulls have a pipeline system for liquid nitrogen or for liquid neon, to which HTS components are connectable via quick-release couplings.
9. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein at least one air decomposition unit for the production of liquid nitrogen is arranged in the vessel hull and is connected via pipelines to the individual HTS components in the vessel hull.
10. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein the individual equipment system type vessels have electrical power generation units which operate with low emissions and are installable in a decentralized manner.
11. (Previously Presented) The navy vessel type equipment system as claimed in claim 10, wherein the individual equipment system vessels have internal combustion engines whose exhaust gas is introduced into the water surrounding the vessel hulls.
12. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein the type vessels have power supply units which operate without any emissions, in the form of air-breathing fuel cells, which feed their power to a DC network.
13. (Previously Presented) The navy vessel type equipment system as claimed in claim 12, wherein the fuel cells are in the form of PEM fuel cells.

14. (Previously Presented) The navy vessel type equipment system as claimed in claim 12, wherein the fuel cells are in the form of methanol direct fuel cells (MDFC) or molten carbonate fuel cells (MCFC).
15. (Previously Presented) The navy vessel type equipment system as claimed in claim 12, wherein the PEM and the MDFC or MCFC fuel cells form a power and heat system in which they produce power as required, corresponding to their different dynamics.
16. (Previously Presented) The navy vessel type equipment system as claimed in claim 12, wherein the fuel cells are supplied from hydrogen reservoirs which are filled by diesel reformers.
17. (Previously Presented) The navy vessel type equipment system as claimed in claim 12, wherein the exhaust gases which are produced by the operation of at least one of the MLFC, MDFC and the diesel reformers are mixed with the water surrounding the vessel hulls.
18. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein the equipment system vessels are designed without rudder blades.
19. (Previously Presented) The navy vessel type equipment system as claimed in claim 18, wherein the equipment system vessels have at least one of steering propellers and lateral thrusters.
20. (Previously Presented) The navy vessel type equipment system as claimed in claim 18, wherein the equipment system vessels have waterjets which are controllable independently of one another.
21. (Cancelled)
22. (Currently Amended) The navy vessel type equipment system as claimed in ~~claim 21~~claim 1, wherein converters which connect the network elements to one another are arranged between the network elements.

23. (Currently Amended) The navy vessel type equipment system as claimed in ~~claim 24~~claim 1, wherein the electrical network system is designed such that it has at least one of DC network elements with different voltages and AC network elements with different frequencies and voltages.
24. (Currently Amended) The navy vessel type equipment system as claimed in ~~claim 24~~claim 1, wherein a DC network which is equipped with an HTS current limiter is provided between the fuel cells and the electrical steering propellers.
25. (Currently Amended) The navy vessel type equipment system as claimed in ~~claim 24~~claim 1, wherein the on-board network is subdivided into network elements which are connected to one another and whose connections have at least one of HTS current limiters and high-speed semiconductor switches.
26. (Previously Presented) The navy vessel type equipment system as claimed in claim 25, wherein high-speed semiconductor switches are arranged in the on-board network, by which individual network elements or individual equipment segments are quickly switchable in the event of a hit on the supply network to a supply by parts of the supply network which are not affected by the hit, such that no electrical damage occurs to the components or equipment segments.
27. (Currently Amended) The navy vessel type equipment system as claimed in ~~claim 24~~claim 1, wherein a higher-frequency network element is arranged between the generator, which in particular is driven by a gas turbine, for the waterjets.
28. (Previously Presented) The navy vessel type equipment system as claimed in claim 1, wherein the equipment system type vessels have an automation system which has an automation control center which is connected to the individual vessel areas via a bus system.
29. (Previously Presented) The navy vessel type equipment system as claimed in claim 28, wherein the bus system accesses a segmented network wherein the bus has a redundant design and connects the segmented network in the individual vessel protection areas to the automation control

center.

30. (Previously Presented) The navy vessel type equipment system as claimed in claim 28, wherein the automation control center automatically makes system-controlled decisions when urgent measures for vessel protection require this.

31. (Previously Presented) The navy vessel type equipment system as claimed in claim 28, wherein the automation control center has an expert system which is in the form of a higher level for automation and which allows all the measured values to be indicated, and allows the system statistics and the circuit constellations to be displayed in a comprehensive, clear form with decision proposals.

32. (Previously Presented) The navy vessel type equipment system as claimed in claim 29, wherein the equipment system vessels have a life cycle management system and a status monitoring system for controlling the logistics for the equipment system vessels.

33. (Previously Presented) The navy vessel type equipment system as claimed in claim 28, wherein the navy vessel type equipment system has a battle damage control system which is incorporated in the automation systems and allows all of the internal areas and their states to be displayed on at least one monitor.

34. (Previously Presented) A vessel type equipment system for electrically propelled vessels of various sizes and propulsion power, comprising:
equipment segments for propulsion and vessel operation as claimed in claim 1.